

Map unit symbol and map unit name	Component	Component percent	Hydric	Local landform	HYDRIC SOIL CRITERIA *				
					Hydric criteria code	Meets saturation criteria	Meets flooding criteria	Meets ponding criteria	Mapunit acres
20B: CHAPETT FINE SANDY LOAM, 2 TO 6 PERCENT SLOPES									1,652
	CHAPETT-----	90	No	---	---	---	---	---	
	BRAHAM AND SIMILAR SOILS-----	2	No	---	---	---	---	---	
	LESSER OR GREATER SLOPES-----	2	Unranked	---	---	---	---	---	
	ROLISS AND SIMILAR SOILS-----	2	Yes	Flats	2B3	YES	NO	NO	
	SMILEY AND SIMILAR SOILS-----	2	Yes	Flats	2B3	YES	NO	NO	
20C2: CHAPETT FINE SANDY LOAM, 6 TO 12 PERCENT SLOPES, ERODED									292
	CHAPETT-----	90	No	---	---	---	---	---	
	BRAHAM AND SIMILAR SOILS-----	2	No	---	---	---	---	---	
	LESSER OR GREATER SLOPES-----	2	Unranked	---	---	---	---	---	
	ROLISS AND SIMILAR SOILS-----	2	Yes	Drainageways	2B3	YES	NO	NO	
	SMILEY AND SIMILAR SOILS-----	2	Yes	Drainageways	2B3	YES	NO	NO	
38B: WAUKON LOAM, 2 TO 6 PERCENT SLOPES									10,832
	WAUKON-----	90	No	---	---	---	---	---	
	LENGBY AND SIMILAR SOILS-----	2	No	---	---	---	---	---	
	LESSER OR GREATER SLOPES-----	2	Unranked	---	---	---	---	---	
	ROLISS AND SIMILAR SOILS-----	2	Yes	Flats	2B3	YES	NO	NO	
	SMILEY AND SIMILAR SOILS-----	2	Yes	Flats	2B3	YES	NO	NO	
38C2: WAUKON LOAM, 6 TO 12 PERCENT SLOPES, ERODED									3,180
	WAUKON-----	90	No	---	---	---	---	---	
	LENGBY AND SIMILAR SOILS-----	2	No	---	---	---	---	---	
	LESSER OR GREATER SLOPES-----	2	Unranked	---	---	---	---	---	
	ROLISS AND SIMILAR SOILS-----	2	Yes	Drainageways	2B3	YES	NO	NO	
	SMILEY AND SIMILAR SOILS-----	2	Yes	Drainageways	2B3	YES	NO	NO	
38D2: WAUKON LOAM, 12 TO 20 PERCENT SLOPES, ERODED									455
	WAUKON-----	90	No	---	---	---	---	---	
	LENGBY AND SIMILAR SOILS-----	2	No	---	---	---	---	---	
	LESSER OR GREATER SLOPES-----	2	Unranked	---	---	---	---	---	

Map unit symbol and map unit name	Component	Component percent	Hydric	Local landform	HYDRIC SOIL CRITERIA *				
					Hydric criteria code	Meets saturation criteria	Meets flooding criteria	Meets ponding criteria	Mapunit acres
40B: NEBISH LOAM, 2 TO 8 PERCENT SLOPES	ROLISS AND SIMILAR SOILS-----	2	Yes	Drainageways	2B3	YES	NO	NO	26,761
	SMILEY AND SIMILAR SOILS-----	2	Yes	Drainageways	2B3	YES	NO	NO	
	NEBISH-----	90	No	---	---	---	---	---	
	HAMRE AND SIMILAR SOILS-----	2	Yes	Depressions	2B3,3	YES	NO	YES	
	LENGBY AND SIMILAR SOILS-----	2	No	---	---	---	---	---	
	LESSER OR GREATER SLOPES-----	2	Unranked	---	---	---	---	---	
40C: NEBISH LOAM, 8 TO 15 PERCENT SLOPES	TALMOON AND SIMILAR SOILS-----	2	Yes	Flats	2B3	YES	NO	NO	9,930
	NEBISH-----	90	No	---	---	---	---	---	
	HAMRE AND SIMILAR SOILS-----	2	Yes	Depressions	2B3,3	YES	NO	YES	
	LENGBY AND SIMILAR SOILS-----	2	No	---	---	---	---	---	
	LESSER OR GREATER SLOPES-----	2	Unranked	---	---	---	---	---	
	TALMOON AND SIMILAR SOILS-----	2	Yes	Drainageways	2B3	YES	NO	NO	
40E: NEBISH LOAM, 15 TO 30 PERCENT SLOPES	NEBISH-----	90	No	---	---	---	---	---	2,822
	HAMRE AND SIMILAR SOILS-----	2	Yes	Depressions	2B3,3	YES	NO	YES	
	LENGBY AND SIMILAR SOILS-----	2	No	---	---	---	---	---	
	LESSER OR GREATER SLOPES-----	2	Unranked	---	---	---	---	---	
	TALMOON AND SIMILAR SOILS-----	2	Yes	Drainageways	2B3	YES	NO	NO	
	NEBISH-----	90	No	---	---	---	---	---	
45E: MADDOCK LOAMY FINE SAND, 12 TO 30 PERCENT SLOPES	HAMRE AND SIMILAR SOILS-----	2	Yes	Depressions	2B3,3	YES	NO	YES	143
	LENGBY AND SIMILAR SOILS-----	2	No	---	---	---	---	---	
	LESSER OR GREATER SLOPES-----	2	Unranked	---	---	---	---	---	
	TALMOON AND SIMILAR SOILS-----	2	Yes	Drainageways	2B3	YES	NO	NO	
	MADDOCK-----	90	No	---	---	---	---	---	
	LESSER OR GREATER SLOPES-----	3	Unranked	---	---	---	---	---	
63: ROCKWELL LOAM	ROSEWOOD AND SIMILAR SOILS-----	3	Yes	Drainageways	2B3	YES	NO	NO	1,139
	CHAPETT AND SIMILAR SOILS-----	2	No	---	---	---	---	---	
	ROCKWELL-----	90	Yes	Flats	2B3	YES	NO	NO	
	ROLISS AND SIMILAR SOILS-----	3	Yes	Flats	2B3	YES	NO	NO	
	GONVICK AND SIMILAR SOILS-----	2	No	---	---	---	---	---	
	ROCKWELL-----	90	Yes	Flats	2B3	YES	NO	NO	

COMPREHENSIVE HYDRIC SOILS LIST
Clearwater County, Minnesota

Map unit symbol and map unit name	Component	Component percent	Hydric	Local landform	HYDRIC SOIL CRITERIA *					Mapunit acres
					Hydric criteria code	Meets saturation criteria	Meets flooding criteria	Meets ponding criteria		
111: HANGAARD SANDY LOAM	SUBSOILS WITH MORE GRAVEL-	2	Unranked	---	---	---	---	---	1,070	
	HANGAARD-----	90	Yes	Flats	2B3	YES	NO	NO		
	DEERWOOD AND SIMILAR SOILS-----	3	Yes	Depressions	3,2B3	YES	NO	YES		
	RADIUM AND SIMILAR SOILS-----	2	No	---	---	---	---	---		
121: WYKEHAM FINE SANDY LOAM	SUBSOILS WITH MORE GRAVEL-	2	Unranked	---	---	---	---	---	7,420	
	WYKEHAM-----	90	No	---	---	---	---	---		
	EGGLAKE AND SIMILAR SOILS-----	3	Yes	Flats	2B3	YES	NO	NO		
	BEMIDJI AND SIMILAR SOILS-----	2	No	---	---	---	---	---		
125: BELTRAMI LOAM	SNELLMAN AND SIMILAR SOILS-----	2	No	---	---	---	---	---	11,908	
	BELTRAMI-----	90	No	---	---	---	---	---		
	NEBISH AND SIMILAR SOILS-----	3	No	---	---	---	---	---		
	TALMOON AND SIMILAR SOILS-----	3	Yes	Flats	2B3	YES	NO	NO		
133B: DALBO SILT LOAM, 2 TO 8 PERCENT SLOPES	DALBO-----	90	No	---	---	---	---	---	118	
	WILLOSIPPI AND SIMILAR SOILS-----	3	Yes	Flats	2B3	YES	NO	NO		
	BAUDETTE AND SIMILAR SOILS-----	2	No	---	---	---	---	---		
	LENGBY AND SIMILAR SOILS-----	2	No	---	---	---	---	---		
133C: DALBO SILT LOAM, 8 TO 15 PERCENT SLOPES	LESSER OR GREATER SLOPES-----	2	Unranked	---	---	---	---	---	75	
	DALBO-----	90	No	---	---	---	---	---		
	WILLOSIPPI AND SIMILAR SOILS-----	3	Yes	Drainageways	2B3	YES	NO	NO		
	BAUDETTE AND SIMILAR SOILS-----	2	No	---	---	---	---	---		
133E: DALBO SILT LOAM, 15 TO 30 PERCENT SLOPES	LENGBY AND SIMILAR SOILS-----	2	No	---	---	---	---	---	7	
	LESSER OR GREATER SLOPES-----	2	Unranked	---	---	---	---	---		
	DALBO-----	90	No	---	---	---	---	---		
	WILLOSIPPI AND SIMILAR SOILS-----	3	Yes	Drainageways	2B3	YES	NO	NO		
	BAUDETTE AND SIMILAR SOILS-----	2	No	---	---	---	---	---		

COMPREHENSIVE HYDRIC SOILS LIST
Clearwater County, Minnesota

Map unit symbol and map unit name	Component	Component percent	Hydric	Local landform	HYDRIC SOIL CRITERIA *				Mapunit acres
					Hydric criteria code	Meets saturation criteria	Meets flooding criteria	Meets ponding criteria	
167A: BAUDETTE SILT LOAM	LENGBY AND SIMILAR SOILS-----	2	No	---	---	---	---	---	774
	LESSER OR GREATER SLOPES-----	2	Unranked	---	---	---	---	---	
	BAUDETTE-----	90	No	---	---	---	---	---	
	DEBS AND SIMILAR SOILS-----	3	No	---	---	---	---	---	
169B: BRAHAM LOAMY FINE SAND, 2 TO 8 PERCENT SLOPES	WILLOSIPPI AND SIMILAR SOILS-----	3	Yes	Flats	2B3	YES	NO	NO	4,026
	BRAHAM-----	90	No	---	---	---	---	---	
	KRATKA AND SIMILAR SOILS-----	3	Yes	Flats	2B3	YES	NO	NO	
	BEMIDJI AND SIMILAR SOILS-----	2	No	---	---	---	---	---	
169C: BRAHAM LOAMY FINE SAND, 8 TO 15 PERCENT SLOPES	LESSER OR GREATER SLOPES-----	2	Unranked	---	---	---	---	---	1,250
	BRAHAM-----	90	No	---	---	---	---	---	
	KRATKA AND SIMILAR SOILS-----	3	Yes	Drainageways	2B3	YES	NO	NO	
	BEMIDJI AND SIMILAR SOILS-----	2	No	---	---	---	---	---	
169E: BRAHAM LOAMY FINE SAND, 15 TO 30 PERCENT SLOPES	LESSER OR GREATER SLOPES-----	2	Unranked	---	---	---	---	---	102
	BRAHAM-----	90	No	---	---	---	---	---	
	KRATKA AND SIMILAR SOILS-----	3	Yes	Drainageways	2B3	YES	NO	NO	
	BEMIDJI AND SIMILAR SOILS-----	2	No	---	---	---	---	---	
180: GONVICK LOAM	LESSER OR GREATER SLOPES-----	2	Unranked	---	---	---	---	---	8,681
	BRAHAM-----	90	No	---	---	---	---	---	
	KRATKA AND SIMILAR SOILS-----	3	Yes	Drainageways	2B3	YES	NO	NO	
	BEMIDJI AND SIMILAR SOILS-----	2	No	---	---	---	---	---	
205: KARLSTAD SANDY LOAM	GONVICK-----	90	No	---	---	---	---	---	7,967
	ROLISS AND SIMILAR SOILS-----	3	Yes	Flats	2B3	YES	NO	NO	
	SMILEY AND SIMILAR SOILS-----	3	Yes	Flats	2B3	YES	NO	NO	
	KARLSTAD-----	90	No	---	---	---	---	---	
258B: SANDBERG LOAMY SAND, 1 TO 6 PERCENT SLOPES	SAHKAHTAY AND SIMILAR SOILS-----	3	Yes	Flats	2B3	YES	NO	NO	986
	SUGARBUSH AND SIMILAR SOILS-----	3	No	---	---	---	---	---	
	SANDBERG-----	90	No	---	---	---	---	---	
	HANGAARD AND SIMILAR SOILS-----	3	Yes	Flats	2B3	YES	NO	NO	

COMPREHENSIVE HYDRIC SOILS LIST
Clearwater County, Minnesota

Map unit symbol and map unit name	Component	Component percent	Hydric	Local landform	HYDRIC SOIL CRITERIA *				Map unit acres
					Hydric criteria code	Meets saturation criteria	Meets flooding criteria	Meets ponding criteria	
267B: SNELLMAN SANDY LOAM, 2 TO 8 PERCENT SLOPES	LESSER OR GREATER SLOPES-----	2	Unranked	---	---	---	---	---	18,537
	SAHKAHTAY AND SIMILAR SOILS-----	2	Yes	Flats	2B3	YES	NO	NO	
	SNELLMAN-----	90	No	---	---	---	---	---	
	EGGLAKE AND SIMILAR SLOPES-----	3	Yes	Depressions	2B3	YES	NO	NO	
	LESSER OR GREATER SLOPES-----	2	Unranked	---	---	---	---	---	
	WYKEHAM AND SIMILAR SOILS-----	2	No	---	---	---	---	---	
267C: SNELLMAN SANDY LOAM, 8 TO 15 PERCENT SLOPES	SNELLMAN-----	90	No	---	---	---	---	---	5,921
	EGGLAKE AND SIMILAR SOILS-----	3	Yes	Drainageways	2B3	YES	NO	NO	
	LESSER OR GREATER SLOPES-----	2	Unranked	---	---	---	---	---	
	WYKEHAM AND SIMILAR SOILS-----	2	No	---	---	---	---	---	
	SNELLMAN-----	90	No	---	---	---	---	---	
	EGGLAKE AND SIMILAR SLOPES-----	3	Yes	Drainageways	2B3	YES	NO	NO	
267E: SNELLMAN SANDY LOAM, 15 TO 30 PERCENT SLOPES	LESSER OR GREATER SLOPES-----	2	Unranked	---	---	---	---	---	1,777
	WYKEHAM AND SIMILAR SOILS-----	2	No	---	---	---	---	---	
	SNELLMAN-----	90	No	---	---	---	---	---	
	EGGLAKE AND SIMILAR SLOPES-----	3	Yes	Drainageways	2B3	YES	NO	NO	
	LESSER OR GREATER SLOPES-----	2	Unranked	---	---	---	---	---	
	WYKEHAM AND SIMILAR SOILS-----	2	No	---	---	---	---	---	
272: BEMIDJI LOAMY SAND	BEMIDJI-----	90	No	---	---	---	---	---	1,888
	BRAHAM AND SIMILAR SOILS-----	3	No	---	---	---	---	---	
	EGGLAKE AND SIMILAR SOILS-----	3	Yes	Flats	2B3	YES	NO	NO	
	TALMOON-----	90	Yes	Flats	2B3	YES	NO	NO	
	HAMRE AND SIMILAR SOILS-----	3	Yes	Depressions	3,2B3	YES	NO	YES	
	BELTRAMI AND SIMILAR SOILS-----	2	No	---	---	---	---	---	
346: TALMOON LOAM	CATHRO AND SIMILAR SOILS-----	2	Yes	Depressions	3,1	YES	NO	YES	3,341
	FOLDAHL-----	90	No	---	---	---	---	---	
	KRATKA AND SIMILAR SOILS-----	3	Yes	Flats	2B3	YES	NO	NO	
	BRAHAM AND SIMILAR SOILS-----	2	No	---	---	---	---	---	
	STRATHCONA AND SIMILAR SOILS-----	2	Yes	Flats	2B3	YES	NO	NO	
	FOLDAHL-----	90	No	---	---	---	---	---	
426: FOLDAHL LOAMY FINE SAND	KRATKA AND SIMILAR SOILS-----	3	Yes	Flats	2B3	YES	NO	NO	734
	BRAHAM AND SIMILAR SOILS-----	2	No	---	---	---	---	---	
	STRATHCONA AND SIMILAR SOILS-----	2	Yes	Flats	2B3	YES	NO	NO	
	FOLDAHL-----	90	No	---	---	---	---	---	
	KRATKA AND SIMILAR SOILS-----	3	Yes	Flats	2B3	YES	NO	NO	
	BRAHAM AND SIMILAR SOILS-----	2	No	---	---	---	---	---	

COMPREHENSIVE HYDRIC SOILS LIST
Clearwater County, Minnesota

Map unit symbol and map unit name	Component	Component percent	Hydric	Local landform	HYDRIC SOIL CRITERIA *				Map unit acres
					Hydric criteria code	Meets saturation criteria	Meets flooding criteria	Meets ponding criteria	
435: SYRENE SANDY LOAM	SYRENE-----	90	Yes	Flats	2B3	YES	NO	NO	974
	DEERWOOD AND SIMILAR SOILS-----	3	Yes	Depressions	2B3,3	YES	NO	YES	
	NORTHWOOD AND SIMILAR SOILS-----	2	Yes	Depressions	2B3,3	YES	NO	YES	
	RADIUM AND SIMILAR SOILS-----	2	No	---	---	---	---	---	
	ROSEWOOD AND SIMILAR SOILS-----	2	Yes	Flats	2B3	YES	NO	NO	
439: STRATHCONA FINE SANDY LOAM	STRATHCONA---	90	Yes	Flats	2B3	YES	NO	NO	4,317
	NORTHWOOD AND SIMILAR SOILS-----	4	Yes	Depressions	3,2B3	YES	NO	YES	
	FOLDAHL AND SIMILAR SOILS-----	2	No	---	---	---	---	---	
	ROLISS AND SIMILAR SOILS-----	2	Yes	Flats	2B3	YES	NO	NO	
481: KRATKA FINE SANDY LOAM	KRATKA-----	90	Yes	Flats	2B3	YES	NO	NO	4,489
	NORTHWOOD AND SIMILAR SOILS-----	3	Yes	Depressions	2B3,3	YES	NO	YES	
496B: ANDRUSIA LOAMY SAND, 1 TO 6 PERCENT SLOPES	ANDRUSIA-----	90	No	---	---	---	---	---	2,994
	SAHKAHTAY AND SIMILAR SOILS-----	3	Yes	Flats	2B3	YES	NO	NO	
	KARLSTAD AND SIMILAR SOILS-----	2	No	---	---	---	---	---	
	LESSER OR GREATER SLOPES-----	2	Unranked	---	---	---	---	---	
496C: ANDRUSIA LOAMY SAND, 6 TO 12 PERCENT SLOPES	ANDRUSIA-----	90	No	---	---	---	---	---	317
	SAHKAHTAY AND SIMILAR SOILS-----	3	Yes	Drainageways	2B3	YES	NO	NO	
	KARLSTAD AND SIMILAR SOILS-----	2	No	---	---	---	---	---	
	LESSER OR GREATER SLOPES-----	2	Unranked	---	---	---	---	---	
505B: DEBS SILT LOAM, 2 TO 8 PERCENT SLOPES	DEBS-----	90	No	---	---	---	---	---	1,239
	WILLOSIPIPI AND SIMILAR SOILS-----	3	Yes	Flats	2B3	YES	NO	NO	
	BAUDETTE AND SIMILAR SOILS-----	2	No	---	---	---	---	---	
	LESSER OR GREATER SLOPES-----	2	Unranked	---	---	---	---	---	

COMPREHENSIVE HYDRIC SOILS LIST
Clearwater County, Minnesota

Map unit symbol and map unit name	Component	Component percent	Hydric	Local landform	HYDRIC SOIL CRITERIA *				Mapunit acres
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505C: DEBS SILT LOAM, 8 TO 15 PERCENT SLOPES	DEBS-----	90	No	---	---	---	---	---	509
	WILLOSSIPPI AND SIMILAR SOILS-----	3	Yes	Drainageways	2B3	YES	NO	NO	
	BAUDETTE AND SIMILAR SOILS-----	2	No	---	---	---	---	---	
	LESSER OR GREATER SLOPES-----	2	Unranked	---	---	---	---	---	
505E: DEBS SILT LOAM, 15 TO 30 PER CENT SLOPES	DEBS-----	90	No	---	---	---	---	---	161
	WILLOSSIPPI AND SIMILAR SOILS-----	3	Yes	Drainageways	2B3	YES	NO	NO	
	BAUDETTE AND SIMILAR SOILS-----	2	No	---	---	---	---	---	
	LESSER OR GREATER SLOPES-----	2	Unranked	---	---	---	---	---	
540: SEELYEVILLE MUCK	SEELYEVILLE--	90	Yes	Depressions	1,3	YES	NO	YES	12,810
	BERNER AND SIMILAR SOILS-----	3	Yes	Depressions	3,1	YES	NO	YES	
	CATHRO AND SIMILAR SOILS-----	3	Yes	Depressions	1,3	YES	NO	YES	
	MARKEY AND SIMILAR SOILS-----	2	Yes	Depressions	1,3	YES	NO	YES	
543: MARKEY MUCK	MARKEY-----	90	Yes	Depressions	1,3	YES	NO	YES	6,158
	BERNER AND SIMILAR SOILS-----	2	Yes	Depressions	3,1	YES	NO	YES	
	CATHRO AND SIMILAR SOILS-----	2	Yes	Depressions	3,1	YES	NO	YES	
	DEERWOOD AND SIMILAR SOILS-----	2	Yes	Depressions	2B3,3	YES	NO	YES	
	SEELYEVILLE AND SIMILAR SOILS-----	2	Yes	Depressions	3,1	YES	NO	YES	
544: CATHRO MUCK	CATHRO-----	90	Yes	Depressions	1,3	YES	NO	YES	17,005
	BERNER AND SIMILAR SOILS-----	2	Yes	Depressions	3,1	YES	NO	YES	
	HAMRE AND SIMILAR SOILS-----	2	Yes	Depressions	3,2B3	YES	NO	YES	
	MARKEY AND SIMILAR SOILS-----	2	Yes	Depressions	1,3	YES	NO	YES	
	SEELYEVILLE AND SIMILAR SOILS-----	2	Yes	Depressions	3,2B3,1	YES	NO	YES	
547: DEERWOOD MUCK	DEERWOOD-----	90	Yes	Depressions	2B3,3	YES	NO	YES	1,416
	MARKEY AND SIMILAR SOILS-----	2	Yes	Depressions	3,1	YES	NO	YES	
	NORTHWOOD AND SIMILAR SOILS-----	2	Yes	Depressions	2B3,3	YES	NO	YES	

COMPREHENSIVE HYDRIC SOILS LIST
Clearwater County, Minnesota

Map unit symbol and map unit name	Component	Component percent	Hydric	Local landform	HYDRIC SOIL CRITERIA *				Mapunit acres
					Hydric criteria code	Meets saturation criteria	Meets flooding criteria	Meets ponding criteria	
561: BULLWINKLE MUCK	ROSCOMMON AND SIMILAR SOILS-----	2	Yes	Flats	2B2	YES	NO	NO	4,391
	ROSEWOOD AND SIMILAR SOILS-----	2	Yes	Flats	2B3	YES	NO	NO	
	BULLWINKLE---	90	Yes	Depressions	1,3	YES	NO	YES	
	CATHRO AND SIMILAR SOILS-----	2	Yes	Depressions	3,1	YES	NO	YES	
	HAMRE AND SIMILAR SOILS-----	2	Yes	Depressions	3,2B3	YES	NO	YES	
	LUPTON AND SIMILAR SOILS-----	2	Yes	Depressions	1,3	YES	NO	YES	
563: NORTHWOOD MUCK	NORTHWOOD----	90	Yes	Depressions	2B3,3	YES	NO	YES	3,525
	BERNER AND SIMILAR SOILS-----	2	Yes	Depressions	3,1	YES	NO	YES	
	CATHRO AND SIMILAR SOILS-----	2	Yes	Depressions	3,1	YES	NO	YES	
	KRATKA AND SIMILAR SOILS-----	2	Yes	Flats	2B3	YES	NO	NO	
	STRATHCONA AND SIMILAR SOILS-----	2	Yes	Flats	2B3	YES	NO	NO	
	FRIENDSHIP---	90	No	---	---	---	---	---	
564: FRIENDSHIP LOAMY SAND	ROSCOMMON AND SIMILAR SOILS-----	4	Yes	Flats	2B2	YES	NO	NO	1,523
	GRAYCALM AND SIMILAR SOILS-----	2	No	---	---	---	---	---	
	KARLSTAD AND SIMILAR SOILS-----	2	No	---	---	---	---	---	
	ECKVOLL-----	90	No	---	---	---	---	---	
	KRATKA AND SIMILAR SOILS-----	4	Yes	Flats	2B3	YES	NO	NO	
	BRAHAM AND SIMILAR SOILS-----	2	No	---	---	---	---	---	
565: ECKVOLL LOAMY FINE SAND	ROLISS-----	90	Yes	Flats	2B3	YES	NO	NO	4,407
	GONVICK AND SIMILAR SOILS-----	2	No	---	---	---	---	---	
	HAMRE AND SIMILAR SOILS-----	2	Yes	Depressions	3,2B3	YES	NO	YES	
	KRATKA AND SIMILAR SOILS-----	2	Yes	Flats	2B3	YES	NO	NO	
	REINER AND SIMILAR SOILS-----	2	No	---	---	---	---	---	
	STRATHCONA AND SIMILAR SOILS-----	2	Yes	Flats	2B3	YES	NO	NO	
	ROLISS-----	90	Yes	Flats	2B3	YES	NO	NO	
	GONVICK AND SIMILAR SOILS-----	2	No	---	---	---	---	---	
582: ROLISS LOAM	HAMRE AND SIMILAR SOILS-----	2	Yes	Depressions	3,2B3	YES	NO	YES	13,151
	KRATKA AND SIMILAR SOILS-----	2	Yes	Flats	2B3	YES	NO	NO	
	REINER AND SIMILAR SOILS-----	2	No	---	---	---	---	---	
	STRATHCONA AND SIMILAR SOILS-----	2	Yes	Flats	2B3	YES	NO	NO	
	ROLISS-----	90	Yes	Flats	2B3	YES	NO	NO	
	GONVICK AND SIMILAR SOILS-----	2	No	---	---	---	---	---	
	HAMRE AND SIMILAR SOILS-----	2	Yes	Depressions	3,2B3	YES	NO	YES	
	KRATKA AND SIMILAR SOILS-----	2	Yes	Flats	2B3	YES	NO	NO	

COMPREHENSIVE HYDRIC SOILS LIST
Clearwater County, Minnesota

Map unit symbol and map unit name	Component	Component percent	Hydric	Local landform	HYDRIC SOIL CRITERIA *				
					Hydric criteria code	Meets saturation criteria	Meets flooding criteria	Meets ponding criteria	Mapunit acres
607: PENGILLY VERY FINE SANDY LOAM, FREQUENTLY FLOODED	PENGILLY-----	90	Yes	Flats on flood plains	2B3,4	YES	YES	NO	1,293
	LAMOURE AND SIMILAR SOILS-----	4	No	---	---	---	---	---	
	CATHRO AND SIMILAR SOILS-----	2	Yes	Depressions	1,3	YES	NO	YES	
	DEERWOOD AND SIMILAR SOILS-----	2	Yes	Depressions	3,2B3	YES	NO	YES	
	SOILS WITH SURFACE CARBONATES--	2	Unranked	---	---	---	---	---	
627: TAWAS MUCK	TAWAS-----	90	Yes	Depressions	1,3	YES	NO	YES	1,899
	BULLWINKLE AND SIMILAR SOILS-----	2	Yes	Depressions	1,3	YES	NO	YES	
	CATHRO AND SIMILAR SOILS-----	2	Yes	Depressions	3,1	YES	NO	YES	
	DEERWOOD AND SIMILAR SOILS-----	2	Yes	Depressions	3,2B3	YES	NO	YES	
	MARKEY AND SIMILAR SOILS-----	2	Yes	Depressions	1,3	YES	NO	YES	
	SEELYEVILLE AND SIMILAR SOILS-----	2	Yes	Depressions	1,2B3,3	YES	NO	YES	
650: REINER FINE SANDY LOAM	REINER-----	90	No	---	---	---	---	---	531
	SMILEY AND SIMILAR SOILS-----	3	Yes	Flats	2B3	YES	NO	NO	
	KRATKA AND SIMILAR SOILS-----	2	Yes	Flats	2B3	YES	NO	NO	
	ROLISS AND SIMILAR SOILS-----	2	Yes	Flats	2B3	YES	NO	NO	
672: WILLOSIPPI LOAM	WILLOSIPPI---	90	Yes	Flats	2B3	YES	NO	NO	3,722
	HAMRE AND SIMILAR SOILS-----	2	Yes	Depressions	3,2B3	YES	NO	YES	
	SOILS WITH SANDY SUBSTRATUMS-	2	Unranked	---	---	---	---	---	
	SOILS WITH SURFACE CARBONATES--	2	Unranked	---	---	---	---	---	
	SOILS WITH TILL SUBSTRATUMS-	2	Unranked	---	---	---	---	---	
	ZERKEL AND SIMILAR SOILS-----	2	No	---	---	---	---	---	
709B: LENGBY FINE SANDY LOAM, 2 TO 8 PERCENT SLOPES	LENGBY-----	90	No	---	---	---	---	---	10,505
	WILLOSIPPI AND SIMILAR SOILS-----	3	Yes	Flats	2B3	YES	NO	NO	
	LESSER OR GREATER SLOPES-----	2	Unranked	---	---	---	---	---	

COMPREHENSIVE HYDRIC SOILS LIST
Clearwater County, Minnesota

Map unit symbol and map unit name	Component	Component percent	Hydric	Local landform	HYDRIC SOIL CRITERIA *				Map unit acres
					Hydric criteria code	Meets saturation criteria	Meets flooding criteria	Meets ponding criteria	
709C: LENGBY FINE SANDY LOAM, 8 TO 15 PERCENT SLOPES	SUGARBUSH AND SIMILAR SOILS-----	2	No	---	---	---	---	---	4,639
	LENGBY-----	90	No	---	---	---	---	---	
	WILLOSIPIPI AND SIMILAR SOILS-----	3	Yes	Drainageways	2B3	YES	NO	NO	
	LESSER OR GREATER SLOPES-----	2	Unranked	---	---	---	---	---	
	SUGARBUSH AND SIMILAR SOILS-----	2	No	---	---	---	---	---	
709E: LENGBY FINE SANDY LOAM, 15 TO 30 PERCENT SLOPES	LENGBY-----	90	No	---	---	---	---	---	1,778
	WILLOSIPIPI AND SIMILAR SOILS-----	3	Yes	Drainageways	2B3	YES	NO	NO	
	LESSER OR GREATER SLOPES-----	2	Unranked	---	---	---	---	---	
	SUGARBUSH AND SIMILAR SOILS-----	2	No	---	---	---	---	---	
	ROSEWOOD-----	90	Yes	Flats	2B3	YES	NO	NO	
712: ROSEWOOD FINE SANDY LOAM	DEERWOOD AND SIMILAR SOILS-----	3	Yes	Depression	2B3,3	YES	NO	YES	1,327
	STRATHCONA AND SIMILAR SOILS-----	3	Yes	Flats	2B3	YES	NO	NO	
	RADIUM AND SIMILAR SOILS-----	2	No	---	---	---	---	---	
	LINVELDT-----	90	No	---	---	---	---	---	
	KRATKA AND SIMILAR SOILS-----	3	Yes	Flats	2B3	YES	NO	NO	
713: LINVELDT FINE SANDY LOAM	ECKVOLL AND SIMILAR SOILS-----	2	No	---	---	---	---	---	717
	RADIUM AND SIMILAR SOILS-----	2	No	---	---	---	---	---	
	NAYTAHWAUSH--	90	No	---	---	---	---	---	
	AUGANAUSH AND SIMILAR SOILS-----	3	Yes	Flats	2B3	YES	NO	NO	
	LESSER OR GREATER SLOPES-----	2	Unranked	---	---	---	---	---	
718B: NAYTAHWAUSH LOAM, 2 TO 8 PERCENT SLOPES	MAHKONCE AND SIMILAR SOILS-----	2	No	---	---	---	---	---	22,926
	NAYTAHWAUSH--	90	No	---	---	---	---	---	
	AUGANAUSH AND SIMILAR SOILS-----	3	Yes	Flats	2B3	YES	NO	NO	
	LESSER OR GREATER SLOPES-----	2	Unranked	---	---	---	---	---	
	MAHKONCE AND SIMILAR SOILS-----	2	No	---	---	---	---	---	
718C: NAYTAHWAUSH LOAM, 8 TO 15 PERCENT SLOPES	NAYTAHWAUSH--	90	No	---	---	---	---	---	20,184
	AUGANAUSH AND SIMILAR SOILS-----	3	Yes	Drainageways	2B3	YES	NO	NO	
	LESSER OR GREATER SLOPES-----	2	Unranked	---	---	---	---	---	
	MAHKONCE AND SIMILAR SOILS-----	2	No	---	---	---	---	---	

Map unit symbol and map unit name	Component	Component percent	Hydric	Local landform	HYDRIC SOIL CRITERIA *				
					Hydric criteria code	Meets saturation criteria	Meets flooding criteria	Meets ponding criteria	Mapunit acres
718E: NAYTAHWAUSH LOAM, 15 TO 30 PERCENT SLOPES	MAHKONCE AND SIMILAR SOILS-----	2	No	---	---	---	---	---	3,731
	NAYTAHWAUSH--	90	No	---	---	---	---	---	
	AUGANAUSH AND SIMILAR SOILS-----	3	Yes	Drainageways	2B3	YES	NO	NO	
	LESSER OR GREATER SLOPES-----	2	Unranked	---	---	---	---	---	
733: BERNER MUCK	MAHKONCE AND SIMILAR SOILS-----	2	No	---	---	---	---	---	2,780
	BERNER-----	90	Yes	Depressions	1,3	YES	NO	YES	
	HAMRE AND SIMILAR SOILS-----	2	Yes	Depressions	3,2B3	YES	NO	YES	
	MARKEY AND SIMILAR SOILS-----	2	Yes	Depressions	1,3	YES	NO	YES	
737: MAHKONCE LOAM	NORTHWOOD AND SIMILAR SOILS-----	2	Yes	Depressions	2B3,3	YES	NO	YES	11,688
	SEELYEVILLE AND SIMILAR SOILS-----	2	Yes	Depressions	3,2B3,1	YES	NO	YES	
	MAHKONCE-----	90	No	---	---	---	---	---	
	AUGANAUSH AND SIMILAR SOILS-----	3	Yes	Flats	2B3	YES	NO	NO	
746: HASLIE MUCK	HAMRE AND SIMILAR SOILS-----	2	Yes	Depressions	3,2B3	YES	NO	YES	7,593
	NAYTAHWAUSH AND SIMILAR SOILS-----	2	No	---	---	---	---	---	
	HASLIE-----	90	Yes	Depressions	3,1	YES	NO	YES	
	BERNER AND SIMILAR SOILS-----	2	Yes	Depressions	3,1	YES	NO	YES	
765: SMILEY LOAM	CATHRO AND SIMILAR SOILS-----	2	Yes	Depressions	1,3	YES	NO	YES	6,334
	MARKEY AND SIMILAR SOILS-----	2	Yes	Depressions	1,3	YES	NO	YES	
	SEELYEVILLE AND SIMILAR SOILS-----	2	Yes	Depressions	3,2B3,1	YES	NO	YES	
	SMILEY-----	90	Yes	Flats	2B3	YES	NO	NO	
	GONVICK AND SIMILAR SOILS-----	2	No	---	---	---	---	---	
	HAMRE AND SIMILAR SOILS-----	2	Yes	Depressions	3,2B3	YES	NO	YES	
	KRATKA AND SIMILAR SOILS-----	2	Yes	Flats	2B3	YES	NO	NO	
	REINER AND SIMILAR SOILS-----	2	No	---	---	---	---	---	
	SOILS WITH SURFACE CARBONATES--	2	Unranked	---	---	---	---	---	

COMPREHENSIVE HYDRIC SOILS LIST
Clearwater County, Minnesota

Map unit symbol and map unit name	Component	Component percent	Hydric	Local landform	HYDRIC SOIL CRITERIA *				Map unit acres
					Hydric criteria code	Meets saturation criteria	Meets flooding criteria	Meets ponding criteria	
767: AUGANAUSH LOAM	AUGANAUSH----	90	Yes	Flats	2B3	YES	NO	NO	4,243
	HAMRE AND SIMILAR SOILS-----	2	Yes	Depressions	2B3,3	YES	NO	YES	
	MAHKONCE AND SIMILAR SOILS-----	2	No	---	---	---	---	---	
	SOILS WITH SURFACE CARBONATES--	2	Unranked	---	---	---	---	---	
	SOILS WITH VERY STONY SURFACES----	2	Unranked	---	---	---	---	---	
	TALMOON AND SIMILAR SOILS-----	2	Yes	Flats	2B3	YES	NO	NO	
775B: SUGARBUSH-TWO INLETS COMPLEX, 1 TO 8 PERCENT SLOPES	SUGARBUSH----	55	No	---	---	---	---	---	5,086
	TWO INLETS----	35	No	---	---	---	---	---	
	SAHKAHTAY AND SIMILAR SOILS-----	3	Yes	Flats	2B3	YES	NO	NO	
	KARLSTAD AND SIMILAR SOILS-----	2	No	---	---	---	---	---	
	LESSER OR GREATER SLOPES-----	2	Unranked	---	---	---	---	---	
775C: SUGARBUSH-TWO INLETS COMPLEX, 8 TO 15 PERCENT SLOPES	SUGARBUSH----	50	No	---	---	---	---	---	4,932
	TWO INLETS----	40	No	---	---	---	---	---	
	SAHKAHTAY AND SIMILAR SOILS-----	3	Yes	Drainageways	2B3	YES	NO	NO	
	KARLSTAD AND SIMILAR SOILS-----	2	No	---	---	---	---	---	
	LESSER OR GREATER SLOPES-----	2	Unranked	---	---	---	---	---	
776B: SNELLMAN-SUGARBUSH COMPLEX, 2 TO 8 PERCENT SLOPES	SNELLMAN----	60	No	---	---	---	---	---	4,571
	SUGARBUSH----	30	No	---	---	---	---	---	
	DEBS AND SIMILAR SOILS-----	2	No	---	---	---	---	---	
	EGGLAKE AND SIMILAR SOILS-----	2	Yes	Flats	2B3	YES	NO	NO	
	LESSER OR GREATER SLOPES-----	2	Unranked	---	---	---	---	---	
	WILLOSIPPI AND SIMILAR SOILS-----	2	Yes	Flats	2B3	YES	NO	NO	
776C: SNELLMAN-SUGARBUSH COMPLEX, 8 TO 15 PERCENT SLOPES	SNELLMAN----	60	No	---	---	---	---	---	10,095
	SUGARBUSH----	30	No	---	---	---	---	---	
	DEBS AND SIMILAR SOILS-----	2	No	---	---	---	---	---	

COMPREHENSIVE HYDRIC SOILS LIST
Clearwater County, Minnesota

Map unit symbol and map unit name	Component	Component percent	Hydric	Local landform	HYDRIC SOIL CRITERIA *				Mapunit acres
					Hydric criteria code	Meets saturation criteria	Meets flooding criteria	Meets ponding criteria	
776E: SNELLMAN-SUGARBUSH COMPLEX, 15 TO 30 PERCENT SLOPES	EGGLAKE AND SIMILAR SOILS-----	2	Yes	Drainageways	2B3	YES	NO	NO	9,449
	LESSER OR GREATER SLOPES-----	2	Unranked	---	---	---	---	---	
	WILLOSIPIPI AND SIMILAR SOILS-----	2	Yes	Drainageways	2B3	YES	NO	NO	
	SNELLMAN-----	55	No	---	---	---	---	---	
	SUGARBUSH-----	35	No	---	---	---	---	---	
	DEBS AND SIMILAR SOILS-----	2	No	---	---	---	---	---	
	EGGLAKE AND SIMILAR SOILS-----	2	Yes	Drainageways	2B3	YES	NO	NO	
	LESSER OR GREATER SLOPES-----	2	Unranked	---	---	---	---	---	
	WILLOSIPIPI AND SIMILAR SOILS-----	2	Yes	Drainageways	2B3	YES	NO	NO	
	SNELLMAN-----	50	No	---	---	---	---	---	
776F: SNELLMAN-SUGARBUSH COMPLEX, 30 TO 45 PERCENT SLOPES	SUGARBUSH-----	40	No	---	---	---	---	---	591
	DEBS AND SIMILAR SOILS-----	2	No	---	---	---	---	---	
	EGGLAKE AND SIMILAR SLOPES-----	2	Yes	Drainageways	2B3	YES	NO	NO	
	LESSER OR GREATER SLOPES-----	2	Unranked	---	---	---	---	---	
	WILLOSIPIPI AND SIMILAR SLOPES-----	2	Yes	Drainageways	2B3	YES	NO	NO	
	LUPTON-----	45	Yes	Depressions	1,3	YES	NO	YES	
	MOOSELAKE-----	45	Yes	Depressions	1,3	YES	NO	YES	
	BULLWINKLE AND SIMILAR SOILS-----	2	Yes	Depressions	1,3	YES	NO	YES	
	CATHRO AND SIMILAR SOILS-----	2	Yes	Depressions	1,3	YES	NO	YES	
	MARKEY AND SIMILAR SOILS-----	2	Yes	Depressions	1,3	YES	NO	YES	
797: MOOSELAKE AND LUPTON SOILS	SEELYEVILLE AND SIMILAR SOILS-----	2	Yes	Depressions	1,2B3,3	YES	NO	YES	24,701
	TAWAS AND SIMILAR SOILS-----	2	Yes	Depressions	1,3	YES	NO	YES	
	SEELYEVILLE AND BOWSTRING SOILS, FREQUENTLY FLOODED	45	Yes	Depressions on flood plains	1,3,4	YES	YES	YES	
	SEELYEVILLE--	45	Yes	Depressions on flood plains	1,3,4	YES	YES	YES	
	CATHRO AND SIMILAR SOILS-----	3	Yes	Depressions	3,1	YES	NO	YES	
	799: SEELYEVILLE AND BOWSTRING SOILS, FREQUENTLY FLOODED	45	Yes	Depressions on flood plains	1,3,4	YES	YES	YES	
	SEELYEVILLE--	45	Yes	Depressions on flood plains	1,3,4	YES	YES	YES	
	CATHRO AND SIMILAR SOILS-----	3	Yes	Depressions	3,1	YES	NO	YES	
	799: SEELYEVILLE AND BOWSTRING SOILS, FREQUENTLY FLOODED	45	Yes	Depressions on flood plains	1,3,4	YES	YES	YES	
	SEELYEVILLE--	45	Yes	Depressions on flood plains	1,3,4	YES	YES	YES	
799: SEELYEVILLE AND BOWSTRING SOILS, FREQUENTLY FLOODED	CATHRO AND SIMILAR SOILS-----	3	Yes	Depressions	3,1	YES	NO	YES	174
	799: SEELYEVILLE AND BOWSTRING SOILS, FREQUENTLY FLOODED	45	Yes	Depressions on flood plains	1,3,4	YES	YES	YES	

COMPREHENSIVE HYDRIC SOILS LIST
Clearwater County, Minnesota

Map unit symbol and map unit name	Component	Component percent	Hydric	Local landform	HYDRIC SOIL CRITERIA *				Mapunit acres
					Hydric criteria code	Meets saturation criteria	Meets flooding criteria	Meets ponding criteria	
867B: GRAYCALM-MENAHGA COMPLEX, 1 TO 8 PERCENT SLOPES	MARKEY AND SIMILAR SOILS-----	3	Yes	Depressions	3,1	YES	NO	YES	3,112
	GRAYCALM-----	60	No	---	---	---	---	---	
	MENAHGA-----	30	No	---	---	---	---	---	
867C: GRAYCALM-MENAHGA COMPLEX, 8 TO 15 PERCENT SLOPES	ROSCOMMON AND SIMILAR SOILS-----	3	Yes	Flats	2B2	YES	NO	NO	1,876
	ANDRUSIA AND SIMILAR SOILS-----	2	No	---	---	---	---	---	
	LESSER OR GREATER SLOPES-----	2	Unranked	---	---	---	---	---	
	GRAYCALM-----	60	No	---	---	---	---	---	
	MENAHGA-----	30	No	---	---	---	---	---	
	ROSCOMMON AND SIMILAR SOILS-----	3	Yes	Drainageways	2B2	YES	NO	NO	
867E: GRAYCALM-MENAHGA COMPLEX, 15 TO 30 PERCENT SLOPES	ANDRUSIA AND SIMILAR SOILS-----	2	No	---	---	---	---	---	737
	LESSER OR GREATER SLOPES-----	2	Unranked	---	---	---	---	---	
	GRAYCALM-----	60	No	---	---	---	---	---	
	MENAHGA-----	30	No	---	---	---	---	---	
	ROSCOMMON AND SIMILAR SOILS-----	3	Yes	Drainageways	2B2	YES	NO	NO	
	ANDRUSIA AND SIMILAR SOILS-----	2	No	---	---	---	---	---	
1030: PITS, GRAVEL- UDIPSAMMENTS COMPLEX	LESSER OR GREATER SLOPES-----	2	Unranked	---	---	---	---	---	680
	GRAYCALM-----	60	No	---	---	---	---	---	
	MENAHGA-----	30	No	---	---	---	---	---	
	ROSCOMMON AND SIMILAR SOILS-----	3	Yes	Drainageways	2B2	YES	NO	NO	
	ANDRUSIA AND SIMILAR SOILS-----	2	No	---	---	---	---	---	
	LESSER OR GREATER SLOPES-----	2	Unranked	---	---	---	---	---	
	PITS-----	60	Unranked	---	---	---	---	---	
	UDIPSAMMENTS-	30	Unranked	---	---	---	---	---	
1113: HASLIE, SEELYEVILLE, AND CATHRO SOILS, PONDED	ANDRUSIA AND SIMILAR SOILS-----	2	No	---	---	---	---	---	9,287
	SAHKAHTAY AND SIMILAR SOILS-----	2	Yes	Flats	2B3	YES	NO	NO	
	SUGARBUSH AND SIMILAR SOILS-----	2	No	---	---	---	---	---	
	TWO INLETS AND SIMILAR SOILS-----	2	No	---	---	---	---	---	
	CATHRO-----	30	Yes	Depressions	1,3	YES	NO	YES	
	HASLIE-----	30	Yes	Depressions	1,3	YES	NO	YES	
	SEELYEVILLE--	30	Yes	Depressions	1,3	YES	NO	YES	
	BERNER AND SIMILAR SOILS-----	2	Yes	Depressions	1,3	YES	NO	YES	

[illegible]

COMPREHENSIVE HYDRIC SOILS LIST
Clearwater County, Minnesota

Map unit symbol and map unit name	Component	Component percent	Hydric	Local landform	HYDRIC SOIL CRITERIA *				Mapunit acres
					Hydric criteria code	Meets saturation criteria	Meets flooding criteria	Meets ponding criteria	
1152E: SUGARBUSH LOAMY SAND, 15 TO 30 PERCENT SLOPES	SUGARBUSH----	90	No	---	---	---	---	---	854
	ANDRUSIA AND SIMILAR SOILS-----	2	No	---	---	---	---	---	
	LESSER OR GREATER SLOPES-----	2	Unranked	---	---	---	---	---	
	SAHKAHTAY AND SIMILAR SOILS-----	2	Yes	Drainageways	2B3	YES	NO	NO	
	TWO INLETS AND SIMILAR SOILS-----	2	No	---	---	---	---	---	
1164: ZERKEL LOAM	ZERKEL-----	90	No	---	---	---	---	---	7,412
	WILLOSIPPI AND SIMILAR SOILS-----	3	Yes	Flats	2B3	YES	NO	NO	
	DEBS AND SIMILAR SOILS-----	2	No	---	---	---	---	---	
	LENGBY AND SIMILAR SOILS-----	2	No	---	---	---	---	---	
1166B: MOOSECREEK FINE SANDY LOAM, 2 TO 8 PERCENT SLOPES	MOOSECREEK---	90	No	---	---	---	---	---	4,385
	SAHKAHTAY AND SIMILAR SOILS-----	3	Yes	Flats	2B3	YES	NO	NO	
	SUGARBUSH AND SIMILAR SOILS-----	2	No	---	---	---	---	---	
	ZERKEL AND SIMILAR SOILS-----	2	No	---	---	---	---	---	
1191: SAHKAHTAY SANDY LOAM	SAHKAHTAY----	90	Yes	Flats	2B3	YES	NO	NO	2,332
	DEERWOOD AND SIMILAR SOILS-----	3	Yes	Depressions	3,2B3	YES	NO	YES	
	KARLSTAD AND SIMILAR SOILS-----	3	No	---	---	---	---	---	
	NORTHWOOD AND SIMILAR SOILS-----	2	Yes	Depressions	3,2B3	YES	NO	YES	
1200: EGGLAKE LOAM	EGGLAKE-----	90	Yes	Flats	2B3	YES	NO	NO	5,003
	HAMRE AND SIMILAR SOILS-----	3	Yes	Depressions	3,2B3	YES	NO	YES	
	NARY AND SIMILAR SOILS-----	3	No	---	---	---	---	---	
1238E: TWO INLETS-SUGARBUSH COMPLEX, 15 TO 30 PERCENT SLOPES	TWO INLETS---	55	No	---	---	---	---	---	2,832
	SUGARBUSH----	35	No	---	---	---	---	---	
	SAHKAHTAY AND SIMILAR SOILS-----	3	Yes	Drainageways	2B3	YES	NO	NO	
	KARLSTAD AND SIMILAR SOILS-----	2	No	---	---	---	---	---	
	LESSER OR GREATER SLOPES-----	2	Unranked	---	---	---	---	---	

COMPREHENSIVE HYDRIC SOILS LIST
Clearwater County, Minnesota

Map unit symbol and map unit name	Component	Component percent	Hydric	Local landform	HYDRIC SOIL CRITERIA *				Mapunit acres
					Hydric criteria code	Meets saturation criteria	Meets flooding criteria	Meets ponding criteria	
1238F: TWO INLETS-SUGARBUSH COMPLEX, 30 TO 45 PERCENT SLOPES									216
	TWO INLETS----	55	No	---	---	---	---	---	
	SUGARBUSH----	35	No	---	---	---	---	---	
	SAHKAHTAY AND SIMILAR SOILS-----	3	Yes	Drainageways	2B3	YES	NO	NO	
	KARLSTAD AND SIMILAR SOILS-----	2	No	---	---	---	---	---	
	LESSER OR GREATER SLOPES-----	2	Unranked	---	---	---	---	---	
1244B: SOL-SUGARBUSH COMPLEX, 2 TO 8 PERCENT SLOPES, VERY STONY									10,881
	SOL-----	65	No	---	---	---	---	---	
	SUGARBUSH----	25	No	---	---	---	---	---	
	EGGLAKE AND SIMILAR SOILS-----	2	Yes	Flats	2B3	YES	NO	NO	
	LENGBY AND SIMILAR SOILS-----	2	No	---	---	---	---	---	
	LESSER OR GREATER SLOPES-----	2	Unranked	---	---	---	---	---	
	WILLOSIPPI AND SIMILAR SOILS-----	2	Yes	Flats	2B3	YES	NO	NO	
1244C: SOL-SUGARBUSH COMPLEX, 8 TO 15 PERCENT SLOPES, VERY STONY									18,855
	SOL-----	60	No	---	---	---	---	---	
	SUGARBUSH----	30	No	---	---	---	---	---	
	EGGLAKE AND SIMILAR SOILS-----	2	Yes	Drainageways	2B3	YES	NO	NO	
	LENGBY AND SIMILAR SOILS-----	2	No	---	---	---	---	---	
	LESSER OR GREATER SLOPES-----	2	Unranked	---	---	---	---	---	
	WILLOSIPPI AND SIMILAR SOILS-----	2	Yes	Drainageways	2B3	YES	NO	NO	
1244E: SOL-SUGARBUSH COMPLEX, 15 TO 30 PERCENT SLOPES, VERY STONY									5,670
	SOL-----	55	No	---	---	---	---	---	
	SUGARBUSH----	35	No	---	---	---	---	---	
	EGGLAKE AND SIMILAR SOILS-----	2	Yes	Drainageways	2B3	YES	NO	NO	
	LENGBY AND SIMILAR SOILS-----	2	No	---	---	---	---	---	
	LESSER OR GREATER SLOPES-----	2	Unranked	---	---	---	---	---	
	WILLOSIPPI AND SIMILAR SOILS-----	2	Yes	Drainageways	2B3	YES	NO	NO	
1244F: SOL-SUGARBUSH COMPLEX, 30 TO 45 PERCENT SLOPES, VERY STONY									244
	SOL-----	55	No	---	---	---	---	---	
	SUGARBUSH----	35	No	---	---	---	---	---	

COMPREHENSIVE HYDRIC SOILS LIST
Clearwater County, Minnesota

Map unit symbol and map unit name	Component	Component percent	Hydric	Local landform	HYDRIC SOIL CRITERIA *				Mapunit acres
					Hydric criteria code	Meets saturation criteria	Meets flooding criteria	Meets ponding criteria	
1272B: SOL FINE SANDY LOAM, 2 TO 6 PERCENT SLOPES	EGGLAKE AND SIMILAR SOILS-----	2	Yes	Drainageways	2B3	YES	NO	NO	18,904
	LENGBY AND SIMILAR SOILS-----	2	No	---	---	---	---	---	
	LESSER OR GREATER SLOPES-----	2	Unranked	---	---	---	---	---	
	WILLOSIPPI AND SIMILAR SOILS-----	2	Yes	Drainageways	2B3	YES	NO	NO	
	SOL-----	90	No	---	---	---	---	---	
	EGGLAKE AND SIMILAR SOILS-----	3	Yes	Flats	2B3	YES	NO	NO	
	BEMIDJI AND SIMILAR SOILS-----	2	No	---	---	---	---	---	
1272C: SOL FINE SANDY LOAM, 6 TO 12 PERCENT SLOPES	LESSER OR GREATER SLOPES-----	2	Unranked	---	---	---	---	---	2,013
	SOL-----	90	No	---	---	---	---	---	
	EGGLAKE AND SIMILAR SOILS-----	3	Yes	Drainageways	2B3	YES	NO	NO	
	BEMIDJI AND SIMILAR SOILS-----	2	No	---	---	---	---	---	
	LESSER OR GREATER SLOPES-----	2	Unranked	---	---	---	---	---	
	SOL-----	90	No	---	---	---	---	---	
	EGGLAKE AND SIMILAR SOILS-----	3	Yes	Drainageways	2B3	YES	NO	NO	
1294: NARY FINE SANDY LOAM	BEMIDJI AND SIMILAR SOILS-----	2	No	---	---	---	---	---	12,179
	LESSER OR GREATER SLOPES-----	2	Unranked	---	---	---	---	---	
	NARY-----	90	No	---	---	---	---	---	
	EGGLAKE AND SIMILAR SLOPES-----	3	Yes	Flats	2B3	YES	NO	NO	
	BEMIDJI AND SIMILAR SOILS-----	2	No	---	---	---	---	---	
	ECKVOLL AND SIMILAR SOILS-----	2	No	---	---	---	---	---	
	SOL AND SIMILAR SOILS-----	2	No	---	---	---	---	---	
1325: BOWSTRING-FLUVAQUENTS COMPLEX, FREQUENTLY FLOODED	SOL AND SIMILAR SOILS-----	2	No	---	---	---	---	---	17
	BOWSTRING----	45	Yes	Depressions on flood plains	1,2B3,4	YES	YES	NO	
	FLUVAQUENTS--	45	Yes	Depressions on flood plains	2B3,4	YES	YES	NO	
	CATHRO AND SIMILAR SOILS-----	3	Yes	Depressions	3,1	YES	NO	YES	
	LAMOURE AND SIMILAR SOILS-----	3	No	---	---	---	---	---	
	MARKEY AND SIMILAR SOILS-----	2	Yes	Depressions	1,3	YES	NO	YES	
	SEELYEVILLE AND SIMILAR SOILS-----	2	Yes	Depressions	3,2B3,1,4	YES	YES	YES	

COMPREHENSIVE HYDRIC SOILS LIST
Clearwater County, Minnesota

Map unit symbol and map unit name	Component	Component percent	Hydric	Local landform	HYDRIC SOIL CRITERIA *				Map unit acres
					Hydric criteria code	Meets saturation criteria	Meets flooding criteria	Meets ponding criteria	
1808: MARKEY MUCK, PONDED	MARKEY-----	90	Yes	Depressions	1,3	YES	NO	YES	820
	BERNER AND SIMILAR SOILS-----	2	Yes	Depressions	1,3	YES	NO	YES	
	CATHRO AND SIMILAR SOILS-----	2	Yes	Depressions	3,1	YES	NO	YES	
	DEERWOOD AND SIMILAR SOILS-----	2	Yes	Depressions	2B3,3	YES	NO	YES	
	SEELYEVILLE AND SIMILAR SOILS-----	2	Yes	Depressions	4,3,1,2B3	YES	YES	YES	
	SOILS UNDERLAIN WITH MARL---	2	Unranked	---	---	---	---	---	
1874: RADIUM LOAMY SAND	RADIUM-----	90	No	---	---	---	---	---	1,743
	HANGAARD AND SIMILAR SOILS-----	3	Yes	Flats	2B3	YES	NO	NO	
	FOLDAHL AND SIMILAR SOILS-----	2	No	---	---	---	---	---	
	SANDBERG AND SIMILAR SOILS-----	2	No	---	---	---	---	---	
	SYRENE AND SIMILAR SOILS-----	2	Yes	Flats	2B3	YES	NO	NO	
1878: HAMRE MUCK	HAMRE-----	90	Yes	Depressions	2B3,3	YES	NO	YES	4,794
	CATHRO AND SIMILAR SOILS-----	3	Yes	Depressions	3,1	YES	NO	YES	
	NORTHWOOD AND SIMILAR SOILS-----	3	Yes	Depressions	2B3,3	YES	NO	YES	
	ROLISS AND SIMILAR SOILS-----	2	Yes	Flats	2B3	YES	NO	NO	
1943: ROSCOMMON LOAMY SAND	ROSCOMMON----	90	Yes	Flats	2B2	YES	NO	NO	1,238
	DEERWOOD AND SIMILAR SOILS-----	4	Yes	Depressions	3,2B3	YES	NO	YES	
	FRIENDSHIP AND SIMILAR SOILS-----	3	No	---	---	---	---	---	
W: WATER	WATER-----	90	Unranked	---	---	---	---	---	17,664

* FOOTNOTE: There may be small areas of included soils or miscellaneous areas that are significant to use and management of the soil; yet are too small to delineate on the soil map at the map's original scale. These may be designated as spot symbols and are defined in the Soil Survey Report or the Technical Guide, Part II.

HYDRIC SOILS CRITERIA CODES AND DEFINITIONS

1. All Histosols, except Folists. or
2. Soils in Aquic suborders, great groups, or subgroups, Albolls suborder, Aquisalids, Pachic subgroups, or Cumulic subgroups that are:
 - a. somewhat poorly drained with a water table equal to 0.0 foot (ft.) from the surface from the surface during the growing season, or
 - b. poorly drained or very poorly drained and have either:
 - (1) water table equal to 0.0 ft. during the growing season if textures are coarse sand, sand, or fine sand in all layers within 20 inches (in.), or for other soils, or
 - (2) water table at less than or equal to 0.5 ft. from the surface during the growing season if permeability is equal to or greater than 6.0 in./hour (h.) in all layers within 20 in., or
 - (3) water table at less than or equal to 1.0 ft. from the surface during the growing season, if permeability is less than 6.0 in./h. in any layer within 20 in., or:
3. Soils that are frequently ponded for long or very long duration during the growing season, or
4. Soils that are frequently flooded for long or very long duration during the growing season.